Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For other Works)

No: 1st & Final

Job code No : 013-20-000127

Section Dasarahalli

Sub-Division:-Shettyhalli

Date:.....

Vr.No..... Date.....

Bill Recived No.

Date:.....

Cash Book

Head of Account

Name Of Work :- Maintenance of Borewell And Providing Motors in Ward No 13 Shettyhalli Sub division.

Name of Contractor and Full Address: **Sri. Hamanth Kumar S.E**

Work Order No:- **EE/DD/W.0/150/2020-21 Date 22.12.2020**

Certificated that the measurements were taken by me on...22/7/2022, 23/7/22, 24/7, 25/7, 26/7, 29/7 ಆಗಿದೆ and recorded on Page **66630** to **66637** of Measurement Book No **667/2017-18** and that work is satifactorily executed

Contractor

Office in-Charge of work

Certified that the measurement were checked by me on.....31/7/22.....And fund correct. The work and the Contractor has not previously received any advance on this security.

Thease Materials are of an imperishable nature and are all required by the contractor for immediate use on the work in Connection with items. For which rates for finished work have been agreed upon. A formal agreement signed and executed by Contractor is recorded in the office.

Sub Division Officer

II Memorandum of Payment

1.Total Value of work done or supplies made as per Account Within	.....	Bill Amount	181315=00
2. Deduct amount to be held in reserve being.....percent Rs.....	.....	IT	1813 1=00
3. Balance		L Cess (LWC)	1813 1=00
4. Deduct Payment:-		Royalty	2160=00
a) Amount or previous payment as in the Office Cash Book Vr. No.....Dated.....S.D. No.....		C GST	16189=00
Amount adjusted towards cash advance recovery of		S GST	16189=00
b) Payments cost of store or other materials supplied now made Recovery of amount creditable to his/other work		~~FSD~~	1813=00
Amount paid on this bill cheque/cash.		CBF	
5. Balance being unpaid value of work done held in reserve. Total	.....	FINE	4970=00
6. Deduct Cash advance made on the office Cash Book Vr. No	.....		
7. Net amount due to or from contractor Unadjustment items	.....	**TOTAL**	1735532=00
8. Advance to contractor for materials brought site (as detailed) within			
Value of Government materials supplied.			
Total Amount adjusted	.....		

Contractor's Signature

(for use in the office)

Received Rs.....in words.....

.....

.....by cash and by adjustment of Payments as per memorandum.

Witness:-

1

2

(In final settlement of all demands)

Audited and admitted for Rs. 181315=00

Passed by Cheque for Rs. 1735532=00

Seventeen lakhs Thirty Five thousand five hundred thirty two only

By adjustment Rs. 7583=00

Receipt Stamp

Signature of Contractor

Date:.....

Paid by me by cheque No.....Date.....

Cash Rs.....

Date.....initial of officer making payment

Accounts Superintendent

Dated.....

Executive Engineer

E.M.D. Dasarahalli Division

Maintenance of Borewell And Providing Motors in Ward No 13 Shettyhalli Sub division.

1St & Final BILL

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270 2001 and the other end with screwed pipes. All shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.(exclusive of all taxes and duties).prices include Collar-Medium duty. 175mm dia x 5.4mm thick	Rmt	60.00	1296.51	**77790.60**	0.00	0.00	60.00	1296.51	77790.60	60.00	77790.60
2	Providing and fixing 250mm dia PVC pipe and as per specification and directions.	Rmt	24.00	1045.00	**25080.00**	0.00	0.00	24.00	1045.00	25080.00	24.00	25080.00
3	Providing and laying at site of work175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	4.00	97.85	**391.40**	0.00	0.00	4.00	97.85	391.40	4.00	391.40
4	Supply & delivery at site brand new texmo / innoval / lubi / sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 35stage	No	4.00	68198.07	**272792.28**	0.00	0.00	4.00	68198.07	272792.28	4.00	272792.28

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
5	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc.. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe	Rmt	600.00	515.58	**309348.00**	0.00	0.00	600.00	515.58	309348.00	600.00	309348.00
6	Supply of 50mm M.S collars	Each	100.00	181.26	**18126.00**	0.00	0.00	100.00	181.26	18126.00	100.00	18126.00
7	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130 1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia	Rmt	2560.00	136.99	**350694.40**	0.00	0.00	2560.00	136.99	350694.40	2560.00	350694.40
8	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No	4.00	14060.00	**56240.00**	0.00	0.00	4.00	14060.00	56240.00	4.00	56240.00
9	Fabricating supplying and mounting MS box of 16 SWG suitable for floor/wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm	Sqm cm	88000.00	0.33	**29040.00**	0.00	0.00	88000.00	0.33	29040.00	88000.00	29040.00

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
10	Providing & Fixing of clamps set and borewell cap to the pump (MR)	Set	4.00	1812.60	**7250.40**	0.00	0.00	4.00	1812.60	7250.40	4.00	7250.40
11	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm. (Page no.104,item no.12.06 (a),	No	4.00	1116.25	**4465.00**	0.00	0.00	4.00	1116.25	4465.00	4.00	4465.00
12	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size-50mm	No	4.00	1130.50	**4522.00**	0.00	0.00	4.00	1130.50	4522.00	4.00	4522.00
13	Supply and delivery at site wrought middle steel(galvanized) 50 mm dia GI bend confirming to IS 1239 II, 1991 with latest amendments if any.	No	4.00	223.25	**893.00**	0.00	0.00	4.00	223.25	893.00	4.00	893.00
14	Supply and delivery at site wrought middle steel(galvanized) 50 mm dia GI union confirming to IS 1239II, 1991 with latest amendments if any.	No	4.00	166.25	**665.00**	0.00	0.00	4.00	166.25	665.00	4.00	665.00
15	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239 II, 1991 with latest amendments if any.	No	4.00	166.25	**665.00**	0.00	0.00	4.00	166.25	665.00	4.00	665.00
16	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges, tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	4.00	5528.52	**22114.08**	0.00	0.00	4.00	5528.52	22114.08	4.00	22114.08
17	Labour charges for erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc,complete as per specification, with testing of as per instructions of engineer incharge of work.	No	4.00	1102.77	**4411.08**	0.00	0.00	4.00	1102.77	4411.08	4.00	4411.08

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
18	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amps DP	Each	4.00	1269.20	**5076.80**	0.00	0.00	4.00	1269.20	5076.80	4.00	5076.80
19	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)	Rmt	140.00	142.50	**19950.00**	0.00	0.00	140.00	142.50	19950.00	140.00	19950.00
20	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (As per Civil SR KSRB 1-2,P-7)	Rmt	140.00	72.20	**10108.00**	0.00	0.00	140.00	72.20	10108.00	140.00	10108.00
21	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Rmt	12.00	318.25	**3819.00**	0.00	0.00	12.00	318.25	3819.00	12.00	3819.00
22	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (Page no.40,item no.6.1,	Job	4.00	2849.42	**11397.68**	0.00	0.00	4.00	2849.42	11397.68	4.00	11397.68
23	Providing,Supplying and fixing LT cast iron potheads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. $3^1/^2$x6 Sqm	No	4.00	486.31	**1945.24**	0.00	0.00	4.00	486.31	1945.24	4.00	1945.24
24	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3phase 400/440 volts grade, for power Factor improvement of roating machinery like indution motor	KVAR	4.00	391.40	**1565.60**	0.00	0.00	4.00	391.40	1565.60	4.00	1565.60

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
25	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches	No	4.00	277.40	**1109.60**	0.00	0.00	4.00	277.40	1109.60	4.00	1109.60
26	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc,	Each	1.00	3686.60	**3686.60**	0.00	0.00	1.00	3686.60	3686.60	1.00	3686.60
27	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,)											
a	0.00 to 50.00Mtr	Rmt	50.00	339.50	**16975.00**	0.00	0.00	50.00	339.50	16975.00	50.00	16975.00
b	50.00 to 100.00 Mtr.	Rmt	50.00	432.45	**21622.50**	0.00	0.00	50.00	432.45	21622.50	50.00	21622.50
c	100.00 to 150.00 Mtr.	Rmt	50.00	446.15	**22307.50**	0.00	0.00	50.00	446.15	22307.50	50.00	22307.50
d	150.00 to 200.00 Mtr.	Rmt	50.00	524.42	**26221.00**	0.00	0.00	50.00	524.42	26221.00	50.00	26221.00
e	200.00 to 250.00 Mtr.	Rmt	50.00	620.30	**31015.00**	0.00	0.00	50.00	620.30	31015.00	50.00	31015.00
f	250.00 to 300.00 Mtr.	Rmt	50.00	684.88	**34244.00**	0.00	0.00	50.00	684.88	34244.00	50.00	34244.00
g	300.00 to 350.00 Mtr.	Rmt	50.00	807.18	**40359.00**	0.00	0.00	50.00	807.18	40359.00	50.00	40359.00
h	350.00 to 400.00 Mtr.	Rmt	10.00	880.56	**8805.60**	0.00	0.00	10.00	880.56	8805.60	10.00	8805.60

Sl. No	Description of Work	Unit	As per Shedule R			Previous measurement		Present measurement			Total up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
28	KPTCL Deposit charges	LS	1.00	10000.00	10000.00	0.00	0.00	1.00	10000.00	10000.00	1.00	10000.00
29	Borewell registration charges per Rs 1000 each for BWSSB	Each	1.00	1000.00	1000.00	0.00	0.00	1.00	1000.00	1000.00	1.00	1000.00
30	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m after breaking of clods complete as per specifications.	Cum	58.05	301.06	**17476.53**	0.00	0.00	58.05	301.06	17476.53	58.05	17476.53
31	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes	Rmt	86.00	434.98	**37408.28**	0.00	0.00	86.00	434.98	37408.28	86.00	37408.28
32	Wet Mix Macadam: Providing, laying, spreading and compacting crushed stone aggregates of granite / trap /basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of ? tipper to site, laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (Page No.155, Item No.20.18 PWD SR 2018-19)	Cum	6.45	1901.02	**12261.58**	0.00	0.00	6.45	1901.02	12261.58	6.45	12261.58
33	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specification.	Cum	6.45	5395.99	**34804.14**	0.00	0.00	6.45	5395.99	34804.14	6.45	34804.14

Sl. No	Description of Work	Unit	As per Shedule B			Previous measurement		Present measurement			Total up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
34	Cement concrete pavement.Construction of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant,	Cum	9.68	5351.98	**51807.17**	0.00	0.00	9.68	5351.98	51807.17	9.68	51807.17
35	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications	Cum	46.44	202.39	**9398.99**	0.00	0.00	46.44	202.39	9398.99	46.44	9398.99
	SUB TOTAL : -				**1618853.05**		**0.00**			**1618853.05**		**1618853.05**
	GST 12%:-				**194262.37**		**0.00**			**194262.37**		**194262.37**
	GRAND TOTAL : -				**1813115.41**		**0.00**			**1813115.41**		**1813115.41**

Certificate

1 The above work has been completed satisfactorily.

2 The debris has been removed and disposed from the work spot.

3 There is no departmental issues by BBMP.

Asst. Engineer
Ward No 13

Asst.Executive Engineer
Shettyhalli Sub-Division